

Daimler Chrysler AG

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Patent Claims

1. A control system (1) for a motor vehicle, having  
- a manual actuating means (3) with a plurality of  
10 degrees of freedom of adjustment for selecting and/or  
activating entries in a menu structure with a plurality  
of menu levels and

- a screen display (2) having a plurality of display  
areas (210 to 250) for displaying the menu structure,  
15 the display areas (210 to 250) each comprising at least  
one field for displaying one of the entries (1.1 to  
5.7),

characterized in that in an active display area in at  
least one level of the menu structure at least two  
20 entries (3.5, 3.6) are assigned to a settable parameter  
for setting with the manual actuating means (3), a  
first entry (3.5) being an analog display of the  
settable parameter, and a second entry (3.6) being a  
digital display of the settable parameter.

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2. The control system as claimed in claim 1,  
characterized in that the at least one parameter can be  
set by means of an adjustment movement with a first  
and/or a second and/or a third and/or a fourth of the  
30 plurality of degrees of freedom of adjustment of the  
manual actuating means (3).

3. The control system as claimed in claim 2,  
characterized in that the setting which is performed by  
35 actuating the actuating means (3) with a fifth degree  
of freedom of adjustment is stored and the active  
display area (230.2) is exited and closed.

4. The control system as claimed in claim 2 or 3, characterized in that at least one of the degrees of freedom of adjustment of the manual actuating means (3) corresponds to orientation of the parameter which is  
5 displayed in one of the entries (3.5, 3.6).

5. The control system as claimed in one of claims 2 to 4, characterized in that the settable parameter comprises a plurality of settable subparameters, one of  
10 which can be selected in each case by actuating the manual actuating means (3) with a sixth or seventh degree of freedom of adjustment.

6. The control system as claimed in claim 5,  
15 characterized in that the subparameter which is selected for the purpose of setting is visually highlighted by means of a changed graphic display.

7. The control system as claimed in one of claims 1  
20 to 6, characterized in that the at least one parameter represents a time.

8. The control system as claimed in claim 7,  
25 characterized in that a first subparameter represents the hours, a second subparameter represents the minutes and a third subparameter represents the seconds.

9. The control system as claimed in one of claims 2 to 8, characterized in that  
30 - the first degree of freedom of adjustment is pushing of the manual actuating means (3) in a positive y direction,  
- the second degree of freedom of adjustment is pushing of the manual actuating means (3) in a negative  
35 y direction,  
- the third degree of freedom of adjustment is rotation of the manual actuating means (3) in the clockwise direction about a z axis,

- the fourth degree of freedom of adjustment is rotation of the manual actuating means (3) in the counterclockwise direction about a z axis, and

- the fifth degree of freedom of adjustment is  
5 pressing of the manual actuating means (3) in a negative z direction of an xyz coordinate system.

10. The control system as claimed in one of claims 1 to 16, characterized in that

10 - the sixth degree of freedom of adjustment is pushing of the manual actuating means (3) in a positive x direction, and

- the seventh degree of freedom of adjustment is  
15 pushing of the manual actuating means (3) in a negative x direction.